

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A portable telephone set, comprising:

call termination notification means;

key inputting means including a plurality of keys for accepting an input of any of said keys by a user of said portable telephone set;

a memory for storing a menu and key allocation information, the key allocation information indicating whether the input of any one of said keys is valid or invalid;

key input discrimination means for discriminating whether the input of any one of said keys is valid or invalid based on the key allocation information stored in said memory;

key input validity notification means operable when said key input discrimination means discriminates that the input of any one of said keys is valid for causing said call termination notification means to notify the user of the validity of the input of said any one of said keys with a first pattern set in advance, said first pattern being different from a function performed by the input of said any one of said keys; and

key input invalidity notification means operable when said key input discrimination means discriminates that the input of any one of said keys is invalid for causing said call termination notification means to notify the user of the invalidity of the input of said any one of said keys with a second pattern set in advance and different from the first pattern, said call termination notification means functioning to notify the user of termination of a telephone call in addition to functioning to notify the user of the validity or invalidity of the input of any one of said keys,

the key allocation information being updated after a change of a hierarchy of the menu, the change of the hierarchy of the menu occurring after the discrimination that the input of any one of said keys other than a power supply key is valid.

2. (Original) A portable telephone set as claimed in claim 1, wherein said call termination notification means includes at least one of a speaker, a vibrator, a liquid crystal display device, a liquid crystal display backlight and a key backlight.

3. (Original) A portable telephone set as claimed in claim 2, wherein at least one of said vibrator, liquid crystal display device, liquid crystal display backlight and key backlight of said call termination notification means is rendered operative when said portable telephone set is used in a mode wherein no sound is generated from said portable telephone set.

4. (Canceled)

5. (Previously Presented) A key operation validity/invalidity notification method for a portable telephone set which includes call termination notification means and key inputting means including a plurality of keys for accepting an input of any of said keys by a user of said portable telephone set, comprising:

a. a memory storage step of storing a menu and key allocation information in a memory, the key allocation information indicating whether the input of any one of said keys is valid or invalid;

b. a key input discrimination step of discriminating whether an input of any one of said keys is valid or invalid based on the key allocation information stored in said memory;

c. a key input validity/invalidity notification step of causing, when it is discriminated that the input of any one of said keys is valid, said call termination notification means to notify the user of the validity of the input of said any one of said keys with a first pattern set in advance, said first pattern being different from a function performed by the input of said any one of said keys, but causing, when it is discriminated that the input of said any one of said keys is invalid, said call termination notification means to notify the user of the invalidity of the input of said any one of said keys with a second pattern set in advance and different from the first pattern, said call termination notification means functioning to notify the user of termination of a telephone call in

addition to functioning to notify the user of the validity or invalidity of the input of any one of said keys;

- d. a key allocation information updating step, the key allocation information updating step being executed if it is discriminated in step b that the input of any one of said keys other than a power supply key is valid and if a change of a hierarchy of the menu occurs after said discrimination in step b; and
- e. a step of returning to step b.

6. (Original) A key operation validity/invalidity notification method as claimed in claim 5, wherein said call termination notification means includes at least one of a speaker, a vibrator, a liquid crystal display device, a liquid crystal display backlight and a key backlight.

7. (Original) A key operation validity/invalidity notification method as claimed in claim 6, wherein at least one of said vibrator, liquid crystal display device, liquid crystal display backlight and key backlight of said call termination notification means is rendered operative when said portable telephone set is used in a mode wherein no sound is generated from said portable telephone set.

8. (Canceled)

9. (Previously Presented) A computer-readable medium encoded with a computer program for a portable telephone set which includes call termination notification means and key inputting means including a plurality of keys for accepting an input of any of said keys by a user of said portable telephone set, said program causing a computer to execute the steps of:

- a. storing a menu and key allocation information in a memory, the key allocation information indicating whether the input of any one of said keys is valid or invalid;
- b. discriminating whether the input of any one of said keys is valid or invalid based on the key allocation information stored in said memory;

c. causing, when it is discriminated that input of any one of said keys is valid, said call termination notification means to notify the user of the validity of the input of said any one of said keys with a first pattern set in advance, said first pattern being different from a function performed by the input of said any one of said keys; but

d. causing, when it is discriminated that the input of said any one of said keys is invalid, said call termination notification means to notify the user of the invalidity of the input of said any one of said keys with a second pattern set in advance and different from the first pattern, said call termination notification means functioning to notify the user of termination of a telephone call in addition to functioning to notify the user of the validity or invalidity of the input of any one of said keys;

e. updating the key allocation information if it is discriminated in step b that the input of any one of said keys other than a power supply key is valid and if a change of a hierarchy of the menu occurs after said discrimination in step b; and

f. returning to step b.

10. (Previously Presented) A portable telephone set which comprises:

call termination notification means for notifying a user of said portable telephone set of termination of a telephone call;

key inputting means including a plurality of keys for accepting a key inputting operation of any of said keys by the user;

a memory for storing allocation information of individual ones of said keys and a menu, said allocation information being updated after a change of a hierarchy of the menu;

key input discrimination means for discriminating whether the key inputting operation of any of said keys is valid or invalid based on the allocation information stored in said memory;

key input validity notification means, operable when said key input discrimination means discriminates that the key inputting operation is valid, for causing said call termination notification means to notify the user of the validity of the key inputting operation with a first pattern set in advance; and

key input invalidity notification means, operable when said key input discrimination means discriminates that the key inputting operation is invalid, for causing said call termination notification means to notify the user of the invalidity of the key inputting operation with a second pattern set in advance and different from the first pattern;

wherein, when the portable telephone set is used in a mode wherein no sound is generated from said portable telephone set, if the key input discrimination means discriminates that the key inputting operation is valid, then at least one of a first vibration pattern and a first color variation pattern is generated, and if the key input discrimination means discriminates that the key inputting operation is invalid, then at least one of a second vibration pattern and a second color variation pattern is generated.